

The Water Spot

October 2010

Volume 14, Issue 4

NRWA Hires Full Time Training Specialist

Hot!

Special points of interest:

- Phase II / Phase V Monitoring Period is ending soon.
- DSO & WTPO certification renewals due the end of November.
- HWWA Conference on Kauai in October



The National Rural Water Association (NRWA) recently

hired a full time Training Specialist, Gary Byrd. Gary made the move across the country from the Alabama Rural Water Association where he was a Training Coordinator for the past 12 years. Prior to that, Gary worked in both the industrial and municipal fields, from a laborer/operator through management positions. Gary has an extensive resume, holding numerous certifications including: Hawaii Grade 2 Distribution System Operator (DSO), Hawaii Grade 3 Water Treatment Plant Operator (WTPO), Alabama Grade III Water Operator, Alabama Grade IV Wastewater Operator, Certified Instructional Technologist (CIT), Certified Environmental, Safety and Health Trainer (CET) for the National Environmental Safety and Health Training

Association (NESHTA), certified Backflow Prevention Instructor for the University of Florida TREEO Center, certified as a backflow prevention assembly tester, advanced backflow prevention assembly repair and maintenance technician through the University of Florida TREEO Center, approved instructor for the California State University Sacramento (CSUS), Ken Kerri programs for both water and wastewater, certifications for the National Incident Management System (NIMS) and DuPont Safety Training Observation Program (STOP) as both a trainer and safety officer, Registered Circuit Rider through NRWA, and a Commercial Drivers License (CDL) holder and instructor. Besides certifications, Gary has extensive training experience in operations, safety, security, laboratory, management, clerical and financial areas.

For the past three years, NRWA has been working



Gary Byrd, Hawaii's new Training Specialist

with and providing training for the water and wastewater system personnel of Hawai'i. The NRWA is a non-profit organization that was established in 1976 to provide training and technical assistance to the water and wastewater systems throughout the United States. There is a Rural Water Association in every continental United State and Alaska. The current creation of the Hawai'i Rural Water Association (HRWA) will be the last state to implement a Rural Water Association. As the HRWA is officially being established with finalization expected by December 1, 2010, the

SEE NRWA TRAINER, PAGE 2

On the Spot:

Operators Wanted	2
Phase II / Phase V	3
Lead & Copper	3
Operator Certification	4
Quarterly Calendar	5
HWWA Conference	6
SDWB	8

The Water Spot

NRWA Trainer

CONTINUED FROM PAGE 1

NRWA was able to employ a full-time Training Specialist to join the Hawai'i team which already exists as Jim Watts, Water and Wastewater Circuit Rider/Manager, Taani Taumalolo, ARRA Circuit Rider, and Erin Borger, EPA Source Water Specialist.

The NRWA/HRWA will be introducing a new training program for both the water and wastewater systems throughout the State of Hawai'i. This training will be primarily offered free of charge to all water and wastewater personnel through a contract from the EPA and other state agencies. The training focuses on all levels of employment and involvement of the utilities from

the laborers all the way through management and Board or Council members. The training program has recently been approved for CEUs by the Board of Certification of Public Water System Operators.

Through an annual Training Critical Needs Workshop which was held on September 8th, Gary asked all stakeholders to participate in assisting to create a training calendar for the next year. This training will be based on the critical need areas as determined by the attendees. The HRWA training program is the water and wastewater systems of the State of Hawai'i training program. Therefore, the suggestions and requests that were

provided are invaluable input for the training program as it is established.

The HRWA will be offering on-site Water and Wastewater Operator Certification Examination Preparatory courses to the utilities throughout the State of Hawai'i also. These courses may require a nominal fee to cover the costs of materials or additional instructors. Please contact HRWA to learn more about these programs.

If you feel that you and/or your Board would like for the HRWA to set up a meeting to discuss specialized training for your individual system or neighboring systems HRWA welcomes the opportunity. HRWA contact information is:

“The HRWA training program is the water ... systems of the State of Hawai'i training program.”

<p>Jim Watts Manager Water/Wastewater Circuit Rider 360-941-2959 jim@hawaiiirwa.org</p>	<p>Taani Taumalolo ARRA Circuit Rider 808-652-5112 taani@hawaiiirwa.org</p>	<p>Erin Borger Source Water Specialist 808-269-9574 erin@hawaiiirwa.org</p>	<p>Gary Byrd Training Specialist 808-343-3809 gary@hawaiiirwa.org</p>
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WANTED

Operators Wanted

In order to be in compliance, every public water system needs to have appropriately certified distribution system and possibly, water treatment plant operators. Recently, some water systems have asked for assistance in getting the word out on their need for certified operators. In an effort to help maintain compliance, these operator “wanted” postings will be included in The Water Spot on a trial basis.

The following public water systems have indicated a need for certified operators. Please contact them directly for more information.

- ◆ **WTPO 4 PWS 153 Hawaii National Guard Youth Challenge Academy - Hilo, Hawaii**
Contact: Juan Williams (808)754-3571, jwilliams@hingyca.org
- ◆ **DSO 1 PWS 156 Hawaiian Shores - Pahoa, Hawaii**
Contact: Candace Martin (808)965-8140, DirOM@hawaii.rr.com
- ◆ **DSO 1 PWS 150 Napu'u Water - Puu Anahulu, Hawaii**
Contact: Mary Metcalf (808)325-2314, admin@napuuwater.com

Phase II/Phase V Monitoring Period Ends Soon

Summer has ended and there are less than four months remaining in the 2008 – 2010 compliance period. Here are some friendly reminders regarding your Phase II and Phase V monitoring.

I. Review the *Summary of Phase II and Phase V Contaminants - Required to be Monitored for by Water Purveyor* Fact Sheet that was attached to the reminder letter(s) which were sent to each system earlier this year. This fact sheet clearly explains which contaminants are to be monitored and if one or two quarterly sample(s) are re-

quired. See the contaminant list below.

2. If your system requires two quarterly samples and the monitoring is not yet completed, **you have until September 30, 2010 to collect the first quarterly sample.** The second quarterly sample must be taken between October 1, 2010 and December 31, 2010.

3. Be sure to take your samples at all the EPDs (Entry Points to Distribution) within your system that have been established and approved by SDWB. The EPDs are listed

on the reminder letters.

4. Be sure to use a laboratory that is approved for the Phase II and Phase V contaminants which your system(s) must test for. Monitoring results from a laboratory that is not approved will be rejected. Check the approved lab list on the SDWB website: http://hawaii.gov/health/environmental/water/sdwb/pdf/Testing_Labs.pdf.

If you have questions, contact Kumar Bhagavan at 808-586-4258. Waiting until December 30, 2010 is TOO LATE.



Phase II and Phase V Contaminants to be Monitored

Small Systems (population < 3301), 1Q & Medium Systems (population > 3300 and < 10,001), 2Q

- Benzo(a)pyrene
- Di(2-ethylhexyl)adipate
- Di(2-ethylhexyl)phthalate
- Dioxin
- Diquat
- Endothall
- Cyanide
- Asbestos

Large Systems (population > 10,000), 2Q

- | | |
|-------------------|---------------------------|
| 2,4-D | Di(2-ethylhexyl)adipate |
| 2,4,5-TP | Di(2-ethylhexyl)phthalate |
| Dinoseb | Dioxin |
| Picloram | Diquat |
| Dalapon | Endothall |
| Pentachlorophenol | Cyanide |
| Benzo(a)pyrene | Asbestos |

CCR Reminder

SDWB must receive CCR Certification Forms by October 1, 2010

Lead & Copper Reminders

Water systems that sampled for Lead and Copper this summer (June – September) are reminded to notify occupants of the residences/buildings tested of the lead and copper analyses results within 30 days of receiving the results. The notification shall include the lead and copper analyses results of the water sample provided by the residence/building, an explanation of the health effects of lead, steps consum-

ers can take to reduce exposure to lead in drinking water, the Maximum Contaminant Level Goal (MCLG) and the action level for lead, and definitions for MCLG and the action level for lead.

Results will be sent to the water systems as the samples are analyzed but no later than mid-October.

In addition, water systems should submit a certification to SDWB that the notifications

were distributed to occupants of the residences/buildings tested with lead and copper analyses results. The certification and a sample copy of the notification should be submitted to the SDWB no later than December 31, 2010.

If you need a sample notification or the certification form, contact Jennifer Nikaido of Engineering at 808-586-4262 or jennifer.nikaido@doh.hawaii.gov.



Operator Certification

WTPO Exam Pass Rate Rises Again

The July WTPO exam was held at three sites on Oahu, Maui, and Hilo. Out of the 14 operators that sat for the exam, 10 passed, raising the overall pass rate back to 71%, matching the seven year high! The passing rates by grade are shown in the table. WTPOs continue to have success in passing, especially the Grade 1 examinees.



Congratulations to all of you who passed the exam!

For those looking to take the WTPO exam in the future, the greatest area in need of im-

provement remains to be math related problems in all aspects of water treatment. Out of a one hundred question exam, there are always ten to fifteen math problems, which makes it a key component. Special attention to math related problems should be made in preparing for an exam. Math study guides may also be borrowed from the Operator Library for extra preparation. Please con-

Grade	Passed	Examinees	Passing Rate
1	6	7	86%
2	3	6	50%
3	1	1	100%
Total	10	14	71%

Overall WTPO pass rate increases to 71%.

tact Jodi Yamami for borrowing instructions.

Individualized reports on the areas needing improvement will be provided in each examinee notification letter after Board approval to help examinees prepare for the next exam, should they wish to re-take it.

“November 30, 2010 is the expiration date of many DSO and WTPO certifications.”

2010 Renewal Deadline Approaching

November 30, 2010 is the expiration date of many DSO and WTPO certifications. Take a look at your ID cards now and renew before the deadline.

All grades 1 and 2 certifications require 0.8 Continuing Education Units (CEUs) or 8 contact hours to maintain every 2 years of certification. Grades 3 and

4 certifications require 1.6 CEUs or 16 contact hours. If your renewal period is not 2 years, your required CEUs will be prorated. If you do not have sufficient CEUs to renew, the last Board meeting for reviewing CEU Requests prior to the expiration date is 11/23/2010.

Submit your renewal form and

renewal fee via a cashier's check or money order only. No personal checks will be accepted.

Don't delay in renewing. After 12/31/2010, the renewal fee doubles. After 11/30/2011, you will not be able to renew and will need to re-take and pass the exam to become certified again.

Contact Operator Certification

Contact: Jodi Yamami
Phone: 808-586-4263
Fax: 808-586-4351
Email: jodi.yamami@doh.hawaii.gov
www.hawaii.gov/drinkingwater/opcert

Math Whiz

1. A chemical feed pump is set at a rate of 2000 pounds per day. What is the feed rate in pounds per minute?
2. If a water plant's capacity is 7.25 MGD and it serves a population of 56,487, what are the gallons per capita per day?
3. Determine the chlorinator setting in lbs/day needed to treat a flow of 5 MGD with a chlorine dose of 2.8 mg/L. Assume the treatment plant uses a hypochlorite solution with 65% available chlorine?
4. A pipe that is 12 inches in diameter and 75 feet long contains how many gallons water?
5. Determine the detention time if a water tank has a volume of 2 MG and the flow of water in and out is 6.3 MGD?



Answers: (1) 1.39 lbs/min, (2) 128 GPCD, (3) 180 lbs/day, (4) 440 gal, (5) 7.6 hours

October 2010

Volume 14, Issue 4

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 O & E Plan Due CCR Certification Form Due	2
3	4	5	6	7 CT Report Due MRDL Report Due TCR Report Due Enhanced Coagulation Report Due	8 FURLOUGH	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25 Maui DSO Exam WTPO Applications Due	26 Oahu & Hilo DSO Exam	27 Kona & Molokai DSO Exam	28 Kauai DSO Exam	29 FURLOUGH	30



Quarterly Schedule

- **10/1 Operations & Emergency Plan Due**
Surface Water Systems
- **10/1 CCR Certification Form Due**
Community Systems
- **10/7 CT Report Due**
Surface Water Systems
- **10/7 MRDL Report Due**
Disinfection Systems
- **10/7 TCR Report Due**
Systems who complete their own tests
- **10/7 Enhanced Coagulation Report Due**
Conventional Treatment Systems
- **10/25-28 DSO Exam**
- **10/25 WTPO Applications Due**
January 2011 Examinees
- **11/10 CT Report Due**
Surface Water Systems
- **11/10 TCR Report Due**
Systems who complete their own tests
- **11/23 Board of Certification Meeting**
SDVVB Honolulu Office
10:00 am
- **12/9 CT Report Due**
Surface Water Systems
- **12/9 TCR Report Due**
Systems who complete their own tests
- **12/31 Phase II/V Monitoring Period Ends**
Community and NTNC Systems

November 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
31	1	2 HOLIDAY	3	4	5	6
7	8	9	10 CT Report Due TCR Report Due	11 HOLIDAY	12	13
14	15	16	17	18	19 FURLOUGH	20
21	22	23 Board of Certification Meeting	24	25 HOLIDAY	26 FURLOUGH	27
28	29	30				

December 2010

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9 CT Report Due TCR Report Due	10 FURLOUGH	11
12	13	14	15	16	17 FURLOUGH	18
19	20	21	22	23	24 HOLIDAY	25
26	27	28	29	30	31 Phase II/V Monitoring Period Ends HOLIDAY	



Hawaii Water Works Association

HWWA Conference in Kauai

October 13 - 15, 2010 at the Grand Hyatt Resort & Spa in Poipu, Kauai

Collaborating To Protect Our Most Precious Resource



WEDNESDAY, OCTOBER 13, 2010

9:30 AM	Registration	10:15-10:45 AM	Groundwater Modeling for Drinking Water/Groundwater Protection - Robert Whittier, University of Hawaii, Geography and Geophysics
10:15-10:30 AM	Opening Remarks - David Craddick, HWWA President	10:45-11:30 AM	Source Water Protection and Drinking Water Requirements - Daniel Chang, Hawaii Department of Health, Safe Drinking Water Branch
10:30-10:45 AM	Welcome - Honorable Mayor Bernard Carvalho	11:30-1 PM	Lunch - Ono Water Contest
10:45-11:30 AM	Economy Forecast for the State of Hawaii - Steve Rodgers, Chief Investment Officer Bank of Hawaii	1:00-1:30 PM	EPA's Drinking Water Strategy: A New Approach to Protecting Drinking Water and Public Health - EPA Representative or DOH-SDWB Representative
11:30-1 PM	LUNCH	1:30-2 PM	New Groundwater Rule - Mike Miyahira, Hawaii Department of Health, Safe Drinking Water Branch
<i>BREAKOUT SESSION 1</i>			
1-4:30 PM	Trenching & Shoring, Competent Person Excavation, 29CFR1929 Part B - Gary Byrd, National Rural Water Association	2:00-2:30 PM	Development of a Statewide Water Conservation Program - CWRM
<i>BREAKOUT SESSION 2</i>			
1-2 PM	WARN - State of Hawaii Emergency Management Assistance Compact (EMAC) regarding "state to state" support during a disaster and how EMAC assistance incorporates the use of WARN resources, including, how for example a county water agency can directly request assistance from another water resource from another state. Clem Jung and Kevin Morley	2:30-2:45 PM	BREAK
2-2:30 PM	HBWS Status of New Billing System - Paul Kikuchi, Chief Financial Officer for Honolulu Board of Water Supply	2:45-3:15 PM	Backflow Prevention - Compliance - Gary Byrd, National Rural Water Association
2:30-2:40 PM	BREAK	3:15-4:15 PM	Project WET (Water Education) - Lin Howell, Region 1 Project WET Director
2:40-3:25 PM	GIS & Water Model - Heath Prow, Kauai Dept of Water	4:15-4:20 PM	Closing Remarks
3:25-3:55 PM	Performance Indicators - David Craddick, Kauai Dept of Water	6 PM	Banquet
3:55-4:25 PM	Taking Care of Our Water - Kanani Aton, Hawaii Department of Water	FRIDAY, OCTOBER 15, 2010	
4:25-4:30 PM	Closing Remarks	<i>BREAKOUT SESSION 1</i>	
5:30 PM	Meet & Greet	8:30-11 AM	Classification of Soil & Competent Person Test - Gary Byrd, National Rural Water Association
<i>BREAKOUT SESSION 2</i>			
		8:30-9 AM	Maintenance Management Software, M-PET.NET - Tom Hamm, Four Winds Group
		9-10 AM	The Development of a Modernized Safe Drinking Water Branch Monitoring Program to Meet Our Evolving Fiscal Concerns and Emerging Water Quality Issues - Daniel Chang, Hawaii Department of Health, Safe Drinking Water Branch

THURSDAY, OCTOBER 14, 2010

8:30-9 AM	Providing SWP Assistance to Drinking Water Systems - Erin Borger, National Rural Water Association	10-11 AM	Consumer Confidence Reports - Understanding the requirements - Erin Borger, National Rural Water Association
9:00-9:30 AM	Developing a Wellhead Protection Program at the County Level - Eva Blumenstein, Maui Department of Water Supply	11 AM	Bento Lunch Pickup Field Trip & Golf Tournament
9:30-10 AM	Incorporating Protection into the Water Use and Development Plan - Lenore Ohye, CWRM		
10:00-10:15 AM	BREAK		



Hawaii Water Works Association

REGISTRATION FORM
2010 HAWAII WATER WORKS ASSOCIATION
OCTOBER 13 - 15, 2010
GRAND HYATT RESORT & SPA
POIPU, KAUAI, HAWAII

Name: Last First Phone: Fax No.: Email:

Firm/Organization

Address: City State Zip

Indicate here if you have special needs (handicap or meals):

Advance registration with payment or purchase order must be postmarked or faxed by September 15, 2010.
Registration postmarked after that date shall be subject to a \$25.00 late fee.
No refunds will be made for cancellations after September 27, 2010.

CONFERENCE REGISTRATION FEE (includes all meals):

Conferee: x \$ 175.00 = \$
Spouse/Guest: x \$ 175.00 = \$
Subtotal \$

MEAL CHARGES (EXTRA) FOR NON-CONFEREES:

Wednesday Breakfast x \$30.00 = \$
October 13, 2010 Lunch x \$35.00 = \$
Meet & Greet x \$40.00 = \$

Thursday Breakfast x \$30.00 = \$
October 14, 2010 Lunch x \$35.00 = \$
Evening Banquet x \$50.00 = \$

Friday Breakfast x \$30.00 = \$
October 15, 2010 Bento/Drink x \$10.00 = \$

Subtotal \$

TOTAL ENCLOSED \$

Make Check Payable to: HWWA Conference 2010

MAIL TO: Hawaii Water Works Association
2010 Annual Conference
ATTN: Sandi Nadatani
c/o Department of Water
4398 Pua Loke Street
Lihue, HI 96766

Complete attached forms if participating
in golf tournament, field trip, and return
payment with registration.

If you need additional information or have any questions please contact Sandi Nadatani-Mendez at (808) 245-5400;
email: hwwa@kauaiwater.org; or fax (808) 245-5813.



Hawaii State
Department of Health
Safe Drinking Water Branch

919 Ala Moana Blvd.
Room 308
Honolulu, HI
96814-4920

Phone: 808-586-4258
Fax: 808-586-4351
E-mail: SDWB@doh.hawaii.gov

The mission of the Safe Drinking Water Branch of the Department of Health is to safeguard public health by protecting Hawaii's drinking water sources (surface water and groundwater) from contamination and assure that owners and operators of public water systems provide safe drinking water to the community. This mission is accomplished through the administration of the Safe Drinking Water Program, Underground Injection Control Program (UIC), Groundwater Protection Program (GWPP), and the Drinking Water State Revolving Fund (DWSRF).

We're on the Web!

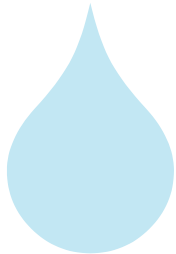
www.hawaii.gov/health/environmental/water/sdwb/index.html

We provide access to our activities without regard to race, color, national origin (including language), age, sex, religion, or disability. Write or call our Affirmative Action Officer at Box 3378, Honolulu, HI 96801-3378 or at 808-586-4616 (voice) within 180 days of a problem.

LINDA LINGLE
Governor of Hawaii

CHIYOME LEINAALA FUKINO, M.D.
Director of Health

LAURENCE K. LAU
Deputy Director for Environmental Health



SDWB Up Close - Performance Awards

At the Department of Health's 2010 Incentive and Service Awards Celebration in July, five SDWB members were honored.

Jennifer Nikaido was awarded the Sustained Superior Performance Award for her exceptional all around performance throughout the year on implementing the Lead and Copper Rule, promoting public water system capacity development, and handling of the third party sanitary survey contracts for some of the larger water systems in the state.

Stuart Yamada, Mike Miyahira and Alain Carey were among the 12 who achieved the team award for their work

on the American Recovery & Reinvestment Act (ARRA) State Revolving Fund. The team provided over 49 million dollars of federal EPA ARRA funds to the counties for 16 wastewater and drinking water system construction projects by securing contracts with the counties before the February 17, 2010 federal deadline. Hawaii was among the first states in the nation to complete ARRA contracting for both its Clean Water and Drinking Water State Revolving Funds.

Steven Matsuda was a member of the team that created the Safe Drinking Water Information System (SDWIS)

Viewer, an extremely powerful, visual tool which integrates geographic information system capabilities with the EPA's drinking water data system. The Viewer provides users with the ability to view drinking water sampling locations or facilities and query the SDWIS data base for location specific drinking water quality information.

Congratulations to Jennifer, Stuart, Mike, Alain, and Steven. Keep up the great work!

